

Converting Colors

XYZ(12.7637, 12.6493, 9.2681)

Have a look what the booklet for
XYZ(12.7637, 12.6493, 9.2681)
contains.

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Color

**XYZ(12.7011, 12.5898,
9.3501)**

Conversions

Conversions Part 1

Format	Color
Hex	736050
RGB	115, 96, 80
RGB Percent	45%, 38%, 31%
CMY	0.5490, 0.6235, 0.6863
CMYK	0.00, 0.17, 0.30, 0.55
HSL	27°, 18%, 38%
HSV	27°, 30%, 45%
XYZ	12.7011, 12.5898, 9.3501
YIQ	99.8570, 16.4600, -0.9480

Conversions

Conversions Part 2

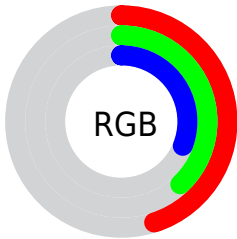
Format	Color
R_{YB}	115, 109, 80
Decimal	7561296
CIE Lab	42.14, 5.03, 12.00
CIE LCh	42, 13.013, 67.269
Yxy	12.5898, 0.3666, 0.3634
Android (android.graphics.Color)	4285751376 (0xFF736050)
YUV	99.8570, -9.7895, 13.2804
Hunter-Lab	35.4821, 1.8018, 9.2136

Details

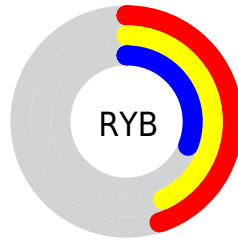
The XYZ color **12.7011, 12.5898, 9.3501** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.8645, 11.8666, 17.9376**, and the grayscale version is **12.0982, 12.7282, 13.8610**.

A 20% lighter version of the original color is **30.1777, 30.3582, 25.0381**, and **3.6907, 3.5608, 2.0829** is the 20% darker color. If you saturate the color by 10%, you get **11.7651, 11.3405, 7.1182**, and if you desaturate by 10%, it is **13.7558, 13.9599, 11.9807**.

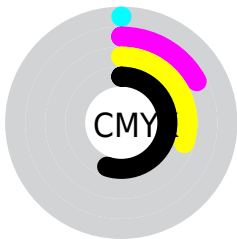
Distribution



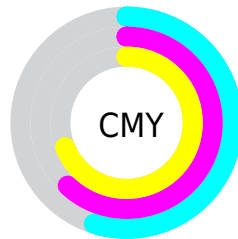
- Red (45%)
- Green (38%)
- Blue (31%)



- Red (45%)
- Yellow (43%)
- Blue (31%)



- Cyan (0%)
- Magenta (17%)
- Yellow (30%)
- Black (55%)



- Cyan (55%)
- Magenta (62%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7011, 12.5898, 9.3501 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.7011, 12.5898, 9.3501 by changing the saturation by 10% instead.

■ 12.7011, 12.5898,
9.3501

■ 12.7011, 12.5898,
9.3501

202.6696,
208.2718, 196.2818

■ 7.2986, 7.1467,
4.8703

■ 30.3716, 30.5648,
25.1541

■ 3.6975, 3.5540,
2.1140

■ 43.3704, 43.8656,
37.3154

■ 1.5325, 1.4274,
0.6241

■ 59.6320, 60.5543,
52.8744

■ 0.3478, 0.2368,
0.0000

■ 79.5218, 81.0154,
72.2494

■ 0.0000, 0.0000,
0.0000

■ 103.4051,
105.6333, 95.8592

131.6472,

134.7924, 124.1221

164.6136,
168.8771, 157.4568

■ 12.7011, 12.5898,
9.3501

■ 12.7011, 12.5898,
9.3501

■ 11.7651, 11.3405,
7.1182

■ 13.7558, 13.9599,
11.9807

■ 10.9419, 10.2065,
5.2644

■ 14.9326, 15.4523,
15.0278

■ 10.2269, 9.1848,
3.7673

■ 16.2360, 17.0710,
18.5088

■ 9.6145, 8.2713,
2.6032

■ 17.6701, 18.8190,
22.4402

■ 9.0984, 7.4616,
1.7453

■ 19.2386, 20.6993,
26.8372

■ 8.6717, 6.7510,
1.1627

■ 20.9452, 22.7148,
31.7147

■ 8.3243, 6.1529,
0.7489

■ 22.7933, 24.8684,
37.0868

■ 24.7863, 27.1626,
42.9668

■ 26.9275, 29.6001,
49.3679

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.5119, 12.5898, 10.7227



12.7011, 12.5898, 9.3501



11.7319, 12.5898, 9.0650

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.7011, 12.5898, 9.3501



10.2107, 12.5898, 14.3948



13.1309, 12.5898, 18.4108

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.7011, 12.5898, 9.3501



10.8645, 11.8666, 17.9376

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



12.2036, 12.5898, 19.7153



12.7011, 12.5898, 9.3501



10.5432, 12.5898, 17.2019

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.7011, 12.5898, 9.3501



10.3279, 12.5898, 11.7470



11.2603, 12.5898, 19.2454



13.7693, 12.5898, 15.8763

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.7011, 12.5898, 9.3501



11.1323, 12.5898, 9.4892



11.2603, 12.5898, 19.2454



12.8408, 12.5898, 19.0223

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.7014, 12.5904, 9.3504



27.0071, 28.0054, 27.6151



12.2031, 10.2880, 13.2099



6.3794, 6.6015, 6.4204



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.7014, 12.5904, 9.3504



21.4612, 20.8387, 13.6661



14.4514, 16.0902, 9.9337



3.8091, 3.9511, 3.9042



9.4952, 6.9916, 0.8491



45.4350, 32.3985, 3.8588

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.8645, 11.8666, 17.9376



17.5716, 19.3047, 31.8446



9.4014, 8.9404, 17.4499



3.6499, 3.8885, 4.6484



5.5115, 5.3628, 19.2872



25.9934, 24.4035, 93.7006

Previews

White Background



This preview shows how the XYZ color 12.7011, 12.5898, 9.3501 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.7011, 12.5898, 9.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7011, 12.5898, 9.3501

Background



This preview shows how black text looks on a background with the XYZ color 12.7011, 12.5898, 9.3501.

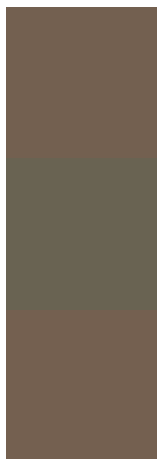


This preview shows how white text looks on a background with the XYZ color 12.7011, 12.5898,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.7011, 12.5898, 9.3501

Protanopia

11.8105, 12.5361, 9.7799

Deuteranopia

12.8333, 12.6579, 9.3563



Tritanopia

13.5507, 12.5307, 13.7611

Trichromacy



Original Color

12.7011, 12.5898, 9.3501

Protanomaly

12.1596, 12.5807, 9.5720

Deuteranomaly

12.8333, 12.6579, 9.3563

Tritanomaly

13.1809, 12.5087, 12.0756

Monochromacy



Original Color

12.7011, 12.5898, 9.3501

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2633, 12.7173, 12.1643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7011, 12.5898, 9.3501 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(115, 96, 80)` looks like.

```
.text, #text, p{  
    color:rgb(115, 96, 80)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(115, 96, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 96, 80) }
```

Border

The CSS property to change the border of an element to XYZ 12.7011, 12.5898, 9.3501 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 96, 80) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(115, 96, 80) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(115, 96, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 96, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 96, 80);  
box-shadow:4px 4px 4px 4px rgb(115, 96,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7011, 12.5898, 9.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 96, 80) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(115, 96,  
80) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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